

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/031,902B
Source: 1FW16
Date Processed by STIC: 2/27/07

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 02/27/2007

PATENT APPLICATION: US/10/031,902B

TIME: 08:44:32

Input Set : A:\HACK206US-SEQ.txt

Output Set: N:\CRF4\02272007\J031902B.raw

3 <110> APPLICANT: St Vincent's Institute of Medical Research
 5 <120> TITLE OF INVENTION: Inhibitor of Osteoclast Precursor Formation
 7 <130> FILE REFERENCE: FP13129
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/031,902B
 C--> 10 <141> CURRENT FILING DATE: 2004-04-26
 12 <150> PRIOR APPLICATION NUMBER: AU PQ1675
 13 <151> PRIOR FILING DATE: 1999-07-19
 15 <160> NUMBER OF SEQ ID NOS: 66
 17 <170> SOFTWARE: PatentIn version 3.3
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 21
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: sense primer complementary to rat calcitonin cDNA
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 33 <212> TYPE: DNA
 34 <213> ORGANISM: Rattus rattus
 36 <400> SEQUENCE: 2
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 39 cctcctgtta tctctagagg aagctgtgga gagattccag gatcatctga aacagagaca 120
 41 catgcattct cggctttttg tgttttatta cagaatttct taagcagata caaagggagt 180
 43 tttgattact ggatcggcct gcacagagag tcctcagagc acccttgga gtggacagac 240
 45 aacactcagt ataactactc gtatgtttca caatgttttt tcttctactg tgttcatgtc 300
 47 ttgttgaggt cttgtgtgta c 321
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 52 <212> TYPE: DNA
 53 <213> ORGANISM: Artificial
 55 <220> FEATURE:
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 58 <400> SEQUENCE: 3
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 63 <211> LENGTH: 402
 64 <212> TYPE: DNA
 65 <213> ORGANISM: Rattus rattus
 67 <400> SEQUENCE: 4
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 70 cttactgctg ctacgtagtg atcattgtcc tcagtgttag ctgtagttct ctttctgttg 120

see p. 6

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72 ctttgtcagt aaaaaagaca gccaaagatct caaccataaa tacttatgct gcttgcccga 180
74 gaaactggat tggagttgga aataaatgtt tttattttta tgaaatacca agtaactgga 240
76 cattgagcca gaccctctgt aaggaacaag gggccgagct agcacgattt gacaccgagg 300
78 aggagctgaa tttcctaagg agatacaaag ggagttcagg ttactgggtcc ggtctgcaca 360
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84 <211> LENGTH: 22
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86 <213> ORGANISM: Artificial
88 <220> FEATURE:
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91 <400> SEQUENCE: 5
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117 ctttgtcagt aaaaaagaca gccaaagatct caaccataaa tacttatgct gcttgcccga 180
119 gaaactggat tggagttgga aataaatgtt tttattttta tgaaatacca agtaactgga 240
121 cattgagcca gaccctctgt aaggaacaag gggccgagct agcacgattt gacaccgagg 300
123 aggagctgaa tttcctaagg agatacaaag ggagttcagg ttaetgggttc ggtctgcaca 360
125 gagagtcata agcgaccctt tggaagtgga cagacaacac tgagtataac aactcggttt 420
127 ccatcgagg agatgaaaaa catggcttcc tgagtgacaa tgggttcagc agtggcaggg 480
129 gttatatagt gaggaagtcg atttgttaga agcccaacag ctacacctca cagtgcctgt 540
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137 aaataggtat tcaggtatga gctggttctc acatcttaaa cataaactga atcatgtcag 780
139 tattagttat ctctactttc ttttttctct catttaaatt atattattta tttatattcc 840
141 aaataccgtc cctccttgt tcccccttct agagttgttc actccatacc ctttcattct 900
143 tacttctgaa gagatgttcc cccaccccac tctgagtatt tcccttctct tggactttag 960
145 gactgtacag gattaggtgc atcctctcat agtgaggcca actgtaggga gctgcgacat 1020
147 gccgtgcctc aaaatgggtg tggtttccgc cttccacctt cccaacagtg agcgtcctt 1080
149 gtagtaaaca agtccttatt tgactatgcc tgcctggcct gctagggttca gcatagtgc 1140
151 agcctgtctg catgacccat gtggcacgtt ggggttgggt ggtgttggat acataagctg 1200
153 atgtagggca tccccctggg gtagtagatg attgtatcaa ggttcttgaa taaactgctt 1260
155 gaagaaaaaa aaaaaaaaaa aagtactagt cgacgcgtgg cc 1302
158 <210> SEQ ID NO: 8

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168 ttgtcagtaa aaaagacagc caagatctca accataaata cttatgctgc ttgcccagaga      180
170 aactggattg gagttggaaa taaatgtttt tattttaatg aaataccaag taactggaca      240
172 ttgagccaga ccctctgtaa ggaacaaggg gccgagctag cacgatttga caccgaggag      300
174 gagctgaatt tcctaaggag atacaaaggg agttcaggtt actggtccgg tctgcacaga      360
176 gagtcatcag cgcacccttg gaagtggaca gacaacactc agtataacta ctccacagagc      420
178 ctcatagggg gagccgggac tctgaaatcc cagaaagcca ctgcagaact gcaagcctga      480
180 gattttgatg tccactattt gcatggctgc acctgttcag gaaagcagag attttaagga      540
182 cattcggaac ctcccttaaa gttttgtcat cacagagcac ccaaaacagt cctcgaatca      600
184 caggcccagt cccatccacc gttaaagcac ctttgagcaa ttttaataaga agtgcggtgtt      660
186 cccatgtgta aaatgaataa aaacagaatt ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa      720
188 aaaaaaaaaa aaaaaaaaaa                                     738
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192 <211> LENGTH: 620
193 <212> TYPE: DNA
194 <213> ORGANISM: Rattus rattus
196 <400> SEQUENCE: 9
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201 ttgtcagtaa aaaagacagc caagatctca accataaata cttatgctgc ttgcccagaga      180
203 aactggattg gagttggaaa taaatgtttt tattttaatg aaataccaag taactggaca      240
205 ttgagccaga ccctctgtaa ggaacaaggg gccgagctag cacgatttga caccgaggag      300
207 gagctgaatt tcctaaggag atacaaaggg agttcaggtt actggtccgg tctgcacaga      360
209 gagtcatcag cgcacccttg gaagtggaca gacaacactc agtataacta ctcgctttcc      420
211 atccggggag tggaaagata tgccctacctg aacgacatcg ggatcagcag tgccagggtc      480
213 tatgcagaca aaagatggag ctgtagcaaa cttaacagct atagcctcca atgcaaaact      540
215 cctttttctc ctatgtagct tttgatcaag agagatgctt tttagtctgc taaaaaaaaa      600
217 aaaaaaaaaa aaaaaaaaaa                                     620
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221 <211> LENGTH: 1907
222 <212> TYPE: DNA
223 <213> ORGANISM: Mus musculus
225 <400> SEQUENCE: 10
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228 aggctgaggg catgtgcacc ttccatttca tttctgatgt taagaaatat tctctatctg      120
230 gtttgatagc actttgggac cataggggaa agagtagcac ccacagataa caggctaaaa      180
232 agcgtctctt ggtaaagtgt aggaaggaaa aaaaggagtt tggcagtgga ggctatagct      240
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240 agtggaactc cagctcctca gctctgagat gtgtgtcaca aaggcttccc tacctatgct      480
242 tagtcccaca ggcagcccgc aggtagaagt gggtaaaatt ctccaaggaa aaaggcacgg      540
244 aaccatctcc cctgagtctt gtgctaagct ttactgtac tatggagtga tcatggctct      600
246 cactgtagct gtaattgtct tttctgttgc tttgtcagca acaaagacag aacagatccc      660

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252 ggcccaacta gctcggtttg acaaccagga tgagctgaat ttcctaatga gatacaaggc 840
254 gaattttgat tcctggattg gcctgcacag agagtcgtca gagcaccctt ggaagtggac 900
256 agacaacact gagtataaca acacgattcc atccggggag aggaaagatt tgcctacctg 960
258 aacaacaacg ggatcagggg attccgggac acccgtcagc attcctggag aaaattcggc 1020
260 attcatgaga aaactgtctt tctactccag tgctctcagt gaccaatggc tactgagtgc 1080
262 tgcttcatct gaactgatct gaattgaggc aaatgtaggg ttggcttcct gcaggaagac 1140
264 tgttcaaagc caagctcttt ccttctagg tgcttgggtc tagtgcacat tagtcttggt 1200
266 ggcagcgtgt ctcctcagtc tggctattgt gatctttccc atagaaagag tcaggaacga 1260
268 ggggaaggga aagatagagg cctaagggtg aattttaaaa aactcaatct gttggtttga 1320
270 tttgtggttt catgtttggg tgcaattggt cttgagacaa aagtagaact ttgaaatact 1380
272 ttatttaaag aaacgagtgc tctggcatta ttaaataaac ctaatgtaag tctatgaaga 1440
274 gtttcactta aatacattta tataaagagc caatgttaaa agtggttatg ataataattc 1500
276 ttcaagggtg tgggtgtatt ggaacaagtg ttctttctgt cagctagatt cctggtataa 1560
278 aataatttga ctgcagggaa gttgacagaa agcattactt ctgtatgcta caacccttta 1620
280 aaattgtgct ctgcctccac ccatgtggtg gtttgaatga aaatgtggcc atagtctcat 1680
282 atttgatgtt ttaatcacta gggaatggac ctgtttgata ggattagaag gattggaggc 1740
284 gaggcctatt ggaggaagtg ccatactgtg gatggccttt gcctagtctg tcaacccag 1800
286 agttttcatg cctgagtgtc cctgtctgga taatggagta accctctgaa actgtaagca 1860
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291 <210> SEQ ID NO: 11

292 <211> LENGTH: 9862

293 <212> TYPE: DNA

294 <213> ORGANISM: Mus musculus

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300 <223> OTHER INFORMATION: unknown

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303 <221> NAME/KEY: misc_feature

304 <222> LOCATION: (636)..(636)

305 <223> OTHER INFORMATION: n is a, c, g, or t

307 <400> SEQUENCE: 11

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326 agcctgccat agtgggtcta tatagaccag ctgaggctgg ggtggggtgg atggtgggag 600
W--> 328 ctctgctgtg gtcggaaagt accgatgcca ctctgngctt tctggtatgg ccaatgttac 660
330 ttaaatacgt ttgggaggag tgcaaccttt tgagtttgta aataaaagca ggtgccaga 720
332 ttcttgagg attgactgga ggaccttggg ggtgctctgg cacacctgc caccagccc 780
334 ataccttaag tgccctcct acacacctac ctacaacttt cttttcaggc tcccacagta 840
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342	ttcactgggt	gctgggaatg	aaccaagtcc	tctctctgca	agagcagcaa	getcccttcc	1080
344	ctggttagcc	atgactttac	ccccacttta	atacttttgt	ttaggaataa	aatatcaatt	1140
346	ttcttgaaaa	gcagagttca	caattgttgt	tagatcaatg	gcctagtggc	agcctgagga	1200
348	taccaggcaa	gctccttcag	agtggacagc	ctagctgcta	agatgattgg	aaatactgtt	1260
350	ctgggaggtg	ggggacaggt	cgaggaagag	ggagacctaa	ccatgcctcc	cttcaaccct	1320
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354	gtcccttaaa	cagaccctta	atcagagtgt	agaacagggt	cttcttgagg	cagagttagca	1440
356	ggtatgattg	gctgtctgcc	tttgactgtg	agctatagcc	aggttccacc	aagtcccata	1500
358	ctcctcacag	taagccatag	cgcctgttgt	gttgggaaaa	cttagaaaag	taaagatttc	1560
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362	aaggacata	aagcaactga	atttggtgaa	agttactgta	tctgctgtct	cacagtggct	1680
364	tctctagaag	ccaccgcagc	ttctctaatt	ttttcacctc	ctctgactca	tacccaaaga	1740
366	gaaaggtcat	gagtaatact	actgtttctc	agataagcca	tgtgcttctg	agggcaagta	1800
368	gtctagatga	acactagagg	gccttaagag	agtcctatgac	tgagcaataa	aatggtgagg	1860
370	ttctaaaatg	gcgacttttt	tcatcacctt	ccggacctga	gaacaaatct	tggctactta	1920
372	aaacaggcct	gtgcagcctt	tctcctctca	ttggtgcccc	tgccagttag	caaataccaa	1980
374	cagttcaagg	ccagagcagg	atgtggtttt	tgattgacac	agtaagatga	acgatcatgt	2040
376	tctttgtttc	attatggtga	atatattcaa	aatcccttgg	gctagcttta	aaattcggta	2100
378	cattgtttgt	agcagtattc	atcctactgt	gcctttgaac	aacagatctg	atatcacttt	2160
380	aaagaaatta	ttatctgttc	tgtctctact	ccccacagcc	cctggtaaga	gatattttta	2220
382	cttgcttgtg	tgtttacaat	agccagcaca	tggaacacac	tagtaggctt	ctctgctgac	2280
384	ttaataagcc	aactcgagct	gaattaaaag	tagaaaagca	tattttattc	agaacagttc	2340
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394	gctccaacca	aacagacatc	agcatctatc	agtggatgag	tgtggaaaac	ctgtgataca	2640
396	tactcccata	tatactggaa	tactatgtac	tagtaagata	ggatgtcttt	tgtgacaaca	2700
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406	gaggagggct	gaggagggct	cccagcagca	catggctgag	aggtgctggg	gctggaaatg	3000
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414	gaaaatgcac	aaaatgcaag	gattaaagtc	agtgaaaact	ctgtaaaaac	tataattagc	3240
416	actcaataaa	attaattcat	ttggtataca	tttctgtgaa	ttttgaaaac	atataatcag	3300
418	gtgttcttca	ttaagataca	taggggctgg	agacttggct	caaccactga	gagcatttat	3360
420	tgctcttgct	gaggactgag	gtttcactcc	cagcacacat	atggtggctc	aacaccacc	3420
422	cctaattcca	attccaggga	tccaatatat	tttctaatt	cctctaacag	taatctgca	3480
424	tgtagtacac	tacatacata	catacatata	ttacattcac	acattcttac	atttagctga	3540
426	caagcactc	ttaaatgtaa	aataaataag	actaaaacag	tcattttaaa	aatatataca	3600
428	gacccctac	cctacctgtt	tccccgttgt	ctgctgcaga	cactctcacc	actcctccgc	3660
430	cacagccatg	agtagtcacc	tttccagatg	acttaaaatg	gggtccatgaa	gcagagaagt	3720
432	cccacaagag	ttctttcagc	ttgtcacagc	aatgccttct	gctcatcact	cacagtgcag	3780
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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; N Pos. 636

Seq#:37; N Pos. 332

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,3,5,6,13,14,16,18,22,23,24,25,26,27,28,30,31,32,34,35,38,39,43,47,48,49

Seq#:50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:600

L:1560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:300